

# **DOCTOR WHO THE INVISIBLE ENEMY IAN SCOONES' VFX STORYBOARDS**

These storyboards, painted and laid out by visual effects designer Ian Scoones, were used to visualise the model sequences for 'The Invisible Enemy' that would be filmed at Bray Studios in March and April 1977.





# EPISODE: ONE

1. TELECINE: ONE  
SC: 1.

HOLD -  
PAN L-R ACROSS STARS

24 f.p.s.

2.

24 f.p.s.

-AND ESTABLISH  
SATURN MOON SIZE.

3. MIX TO GLASS  
TANK LIGHT STARS  
FROM ABOVE  
SATURN MOON SIZE

"A SKEIN of SCRAPPY  
NEBULA LIKE SUBSTANCE  
DRIFTING DIAPHANOUS  
THROUGH SPACE"

DETOL IN WATER  
MAY BE 16 f.p.s.  
MULTIPLE MIXES.

HOLD ASTEROIDS - BEAT  
4. - ESTABLISH SPACE  
SHUTTLE COMING IN  
L-R. 1" MODEL  
LIGHTS ON IN WINDOW

FOREGROUND ASTEROIDS  
ON GLASS + OTHERS  
ON NYLON IN B/G.  
CRAFT TACKS A BIT.  
MOVE GLASS SLIGHTLY  
WAY OFF IN B/G. SATURN  
ASTEROIDS - GREY  
DECAYING GOLF BALLS  
48 f.p.s.

5. AS BEFORE  
SIDE ON - SHUTTLE  
ENTERS: C. AND  
TACKS UP AND DOWN  
TO AVOID ASTEROIDS  
MOVE FOREGROUND  
GLASS SLIGHTLY.  
48 f.p.s. 1" MODEL.

6. PILOTS: P.O.V.  
HEAD UP DISPLAY  
OF ASTEROIDS  
COMING TOWARDS  
US  
(CUT BEFORE POLYTHENE  
BAG COMES INTO SHOT.)  
+ 6A. ZOOM INTO  
ASTEROID GLASS.

7. TELECINE: TWO  
SC: 7.

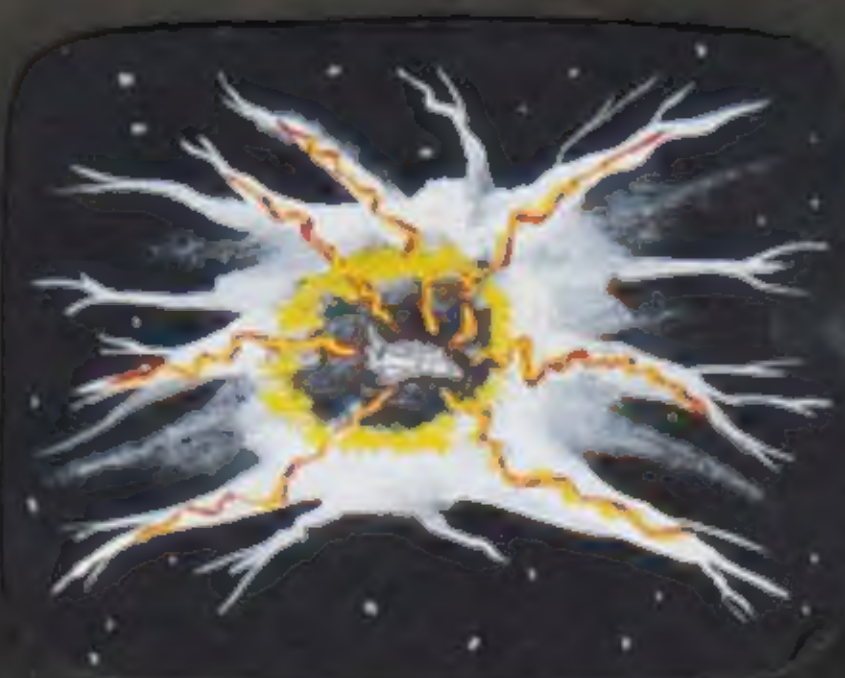
THE NEBULOUS DRIFTING  
SUBSTANCE - THRU IT THE  
TINY SHAPE OF THE SHUTTLE  
APPROACHING  
NEBULA: CONDENSING  
COALESCING  
THICKENING

TRY WIND BACK.  
3" MODEL  
CUT IN FLASH FRAMES

8. SIDE ANGLE INTO  
C.U.

1" MODEL. IT BREAKS  
THRU SMOKE IN C.U.  
SMOKE HANGING - BUT  
CONTINUES TO BE  
SEMI-OBSURED

MAY BE FOREGROUND  
GLASS WITH VAPOUR  
PAINTED - MOVING  
SLIGHTLY  
WITH US.



CUT IN HAND SHOT  
PILOTS CONTROL  
STUDIO.  
9. TELECINE: THREE  
(PAGE: 9).  
SNAKY LIGHTENING  
HITS SHUTTLE - TINY  
BY COMPARISON  
TO CLOUD - CRAFT  
VEERS AWAY  
CUT OUT CERTAIN  
FLASHES TO MINIMUM  
CUT IN FLASH  
FRAMES

CUT IN VIEW POINT  
TO MAKE IT WORK.

10. PAGE 11/12 INT TARDIS  
DR LOOKS AT SCREEN  
"THE SOLAR SYSTEM  
JUPITER AND SATURN"  
- GOES IN AND OUT  
OF FOCUS  
SUN FLARES.

11.  
RE-FOCUS - TIGHTER  
SHOT.  
"NR. JUPITER  
AND ASTEROID BUT"

12. TELECINE: FOUR  
SC: 14.  
THE NEBULOUS CLOUD  
HANGING - SHIFTING  
SHAPE  
MAY BE FOREGROUND  
TOP SMOKE ON GLASS

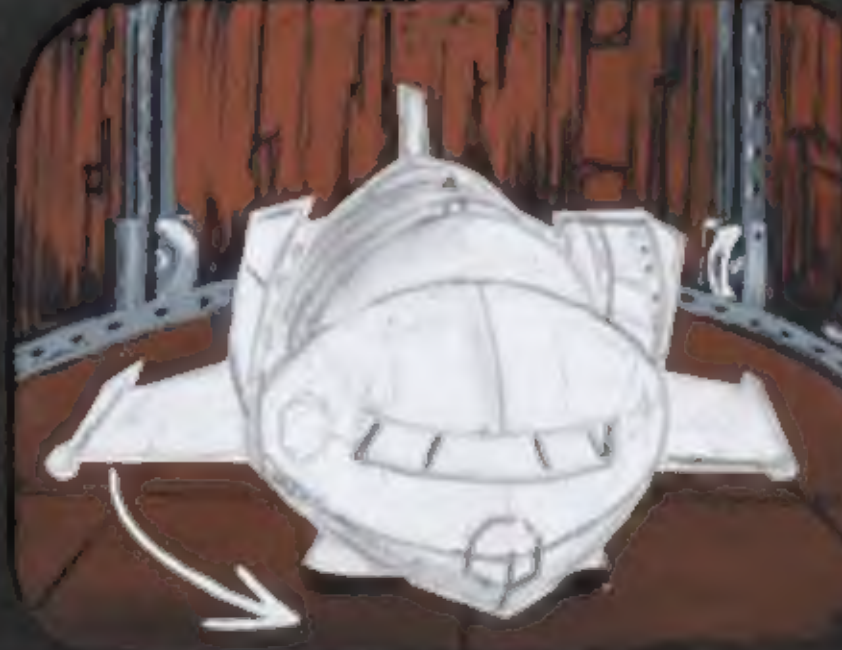
13. TELECINE: FOUR: A.  
SC: 16.  
SHUTTLE COMES IN  
OVER TITAN  
TILT CAMERA - WIDE  
ANGLE LENS - BACK  
LIGHT - WATCH FALL  
OFF IN FOREGROUND  
DOESN'T GIVE IT AWAY!  
FAIRLY HIGH ANGLE TO  
HELP IT!

PRINT-UP. TO LIGHTEN.  
CHOOSE: T/K. 1. - EDITOR.  
HIGH ANGLE:  
14. SHUTTLE COMES IN  
OVER TITAN BASE  
CO COA BROWN SANDY  
COLOUR WITH SALT  
FOR SNOW LIGHTLY  
COVERING MOUNTAINS  
SUGGESTION of ICE  
(CLEAR RETIN) SKY  
DARK BLUE - GOING TO  
BLACK  
RINGS OF SATURN  
ARE SEEN ALMOST  
EDGE ON - SMALL  
"RHEA" ON LEFT.  
LITTLE ATMOSPHERE  
USE STAR FILTER  
ON LANDING PAD  
LIGHTS. 72 f.p.s.

15. B.C.U. SHUTTLE  
TURNS  
1" MODEL

BEFORE THIS  
CUT TO  
STUDIO CONTROLS

CHOOSE: T/K. 2. EDITOR.  
16. LIGHT JETEX  
MOTORS - SHUTTLE  
LANDS ON PAD  
- FULLER'S EARTH  
DUST  
72 f.p.s.  
1" MODEL



16A - HIGH ANGLE  
of CRAFT DROPPING  
17. SHUTTLE DOCKS  
ON BASE - DROPS  
OUT-OF-VIEW

STUDIO  
CUT-AWAY  
BECAUSE OF LACK OF  
SKY.

18. REVERSE ANGLE  
BASE WITH CRAFT  
DEPENDS ON  
RUNNERS - JETEX  
MOTORS AND  
FULLER'S EARTH  
LEADING TO:

19. BASE WITH  
CRAFT  
REVOLVES TO US.  
NOSE HEAD ON  
- BASE IN TO C.U.  
CRAFT TOWARDS  
US.

SEE EXTRA SHOTS.

20. TELECINE: 5.  
EP: 1. SC: 27  
THE NEBULOUS  
CLOUD  
QUIESCENT AGAIN

20A - TARDIS IN SMOKE  
CUT IN FLASH FRAMES  
CUT OUT A FEW LIGHTENING  
21. TELECINE: 6.  
EP: 1. SC: 30.

TARDIS MATERIALIZES  
FOREGROUND - GOES  
INTO CENTRE OF  
NEBULOUS - SNAKE  
LIGHTENING HITS IT  
AND IT DE-MATERIALIZES  
- LIGHTS ON AND OFF  
ON SMOKE (ON GLASS)  
CUT IN FLASH FRAMES  
CUT OUT LIGHTENING  
EPISODE: TWO:

22. TELECINE: 2.  
EP: 2. PAGE: 8.  
SLIGHT BACK LIGHTING  
TO GIVE SEPARATION.  
HOLD IN L/S - EASY  
ZOOM TO ESTABLISH  
"BI-AL FOUNDATION"  
"K. 4 067"  
LIT WINDOWS EMBEDDED IN  
AN IMHENCE CLIFF OF  
ROCK - LARGE RED  
CROSS AND LANDING STAGE

23. TELECINE: 4.  
EP: 2.  
SHUTTLE FALLING  
AWAY FROM US  
TUMBLING TOWARDS  
K. 4 067

24. ANOTHER  
ANGLE  
"TARGET" IN  
SIGHT IN L/S.





25. SHUTTLE  
CRASHES ONTO  
MIDDLE of RED  
CROSS  
"SUPER SILENT  
EXPLOSION AND  
DEBRIS"  
CUT ON EXPLOSION  
AS CRAFT STILL  
IN SHOT TO:



26. WIDE ANGLE 4/5  
OF "SUPER SILENT  
BANG"-TITANIUM.  
2ND TAKE.



27. TELECINE: 5  
EP: 2. P. 58.  
START OUT OF FOCUS,  
LOOKING DOWN  
CONE OF LIQUID  
MULTIPLE BUBBLES  
COMING UP AT US  
MAYBE WIND BACK  
ON CAMERA FOR  
MULTIPLES!



28. START TO SWIRL  
VORTEX - RED  
AND BLUE DYE  
- GIVE TUNNEL F/X  
LIKE OPENING TITLES  
MAYBE ADD CLITTER

- NOW FOR END of  
EPISODE (DIRECTOR'S  
WISHES!)



29. TELECINE: 5  
EP: 2. CONTINUED  
BUBBLES RUSHING  
SIDWAYS L-R.  
RED/BLUE B/G.



30. PLAY MULTI-COLOURED  
LIGHT ONTO WATER  
HOSE F/X ROUND  
TANK  
PULL BACK TO  
SHOW:

"BODIES of AERLA  
AND DR. BEING RUSHED  
ALONG A  
MULTICOLOURED  
STREAM-LIKE  
OBJECTS CAUGHT  
IN RAPIDS.

- AWAY THEY GO  
FLOUNDERING  
AND FIGHTING THE  
CURRENT - BEARING  
ON THRU' THE  
SPINAL CORD UP IN  
THE BRAIN

LIGHTENING FLASH  
FOREGROUND  
TANK OF BUBBLES  
(STUDIO SCENE IS  
PINK/BLUE AFTER  
THIS)

ARTISTS IN C.S.O. TENTS



32. B/G PLATE  
FOR C.S.O.  
"NORDIC ASTRA  
LAMP ON SIDE  
(-CAMERA?)  
12.f.p.s.  
LOOP.  
L-R.

+ 32.A. AS ABOVE  
UP + DOWN.



33. BRAIN  
FOREGROUND GLASS  
AND MODEL  
C.S.O. B/G.  
GREY FEELING  
ESTABLISH SMALL  
ARTISTS ON BRIDGE  
SIDE ANGLE  
(USE CINEMOID  
39. PRIMARY GREEN)



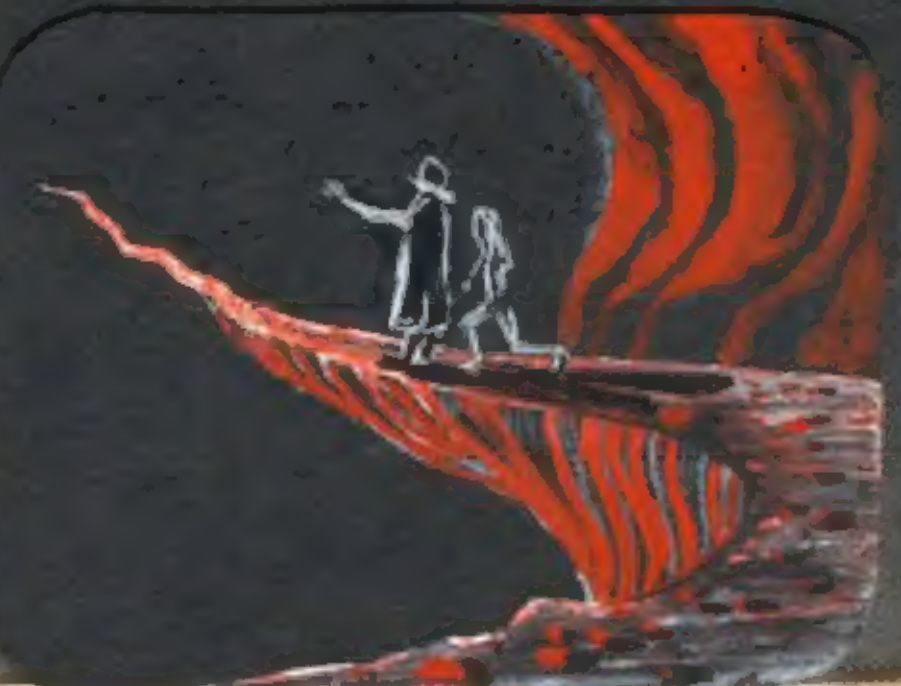
34. ANOTHER VIEW  
HIGH ANGLE  
ARTISTS ON SLOPE  
(MAYBE WALKING  
ON FOAM RUBBER).  
THIS LEADS TO:



35. BRIDGE SHOT  
OCASIONAL  
SYNAPTIC ELECTRIC  
FLASH  
(MAGNETUM  
FLASH  
BULB)

"THEY TURN A CORNER  
AND ARE ON THE EDGE  
OF A CHASM.

A PERILOUS NARROW  
BRIDGE OF TISSUE  
ARCHES OUT INTO  
SPACE AND ENDS IN  
THE MIDDLE IN  
TOTAL BLACKNESS



36. C.S.O. ARTISTS.  
REVERSE ANGLE  
OR ALTERNATIVE  
VIEW POINT.



37. INTERIOR TUNNELS  
BACK LIT FIBRE  
GLASS - C.S.O.  
ARTISTS.



38. PHAGOCYTES  
HANGING WHITE IN  
ROOF - GENTLY  
MOVING



39. ANOTHER ANGLE  
PHAGOCYTES COULD  
BE DROPPED IN  
MODEL - AFTER  
ARTIST HAS PASSED  
THEM. CUT TO  
STUDIO



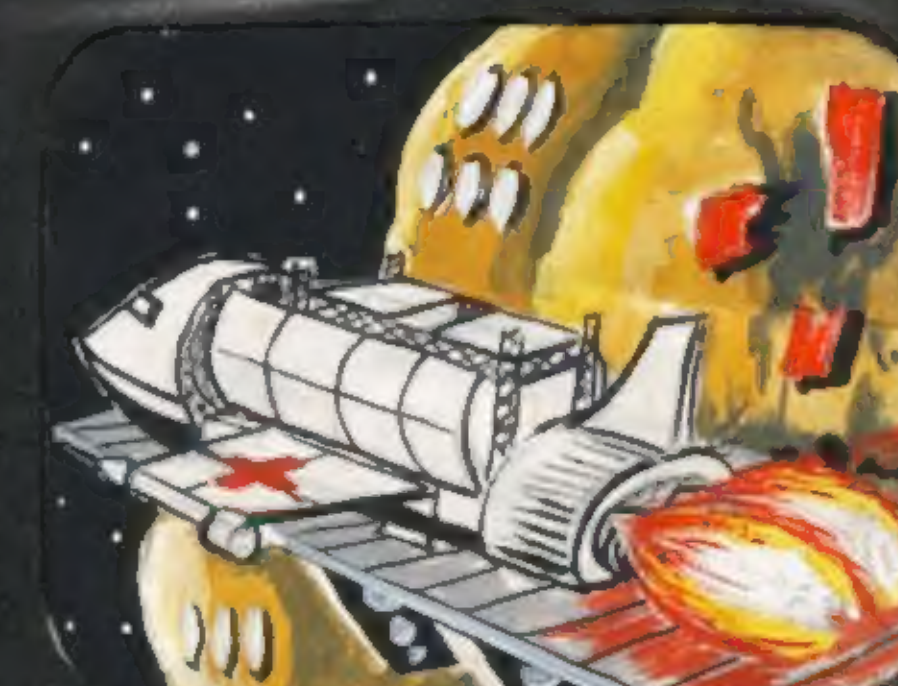
1. STRAIGHT SHOT + MULTIPLE  
EXPOSURE  
40. EPISODE THREE  
EP: 3. P. 30  
"THEY EMERGE INTO A  
VAST CAVE - THE WALLS  
ARE BLACK AND SHINY  
LIKE COAL.  
THERE ARE PILLARS  
- CLASSICAL AND  
SILVER FLOATING  
IN IMPOSSIBLE  
PERSPECTIVE - SOME  
SOLID - SOME REAL  
- ON WIRES: C.S.O.  
ALSO: DROP TO / AWAY



EPISODE FOUR:  
41. TELECINE: 4.  
EP: 4.  
ZOOM INTO  
K. 4067.  
RED CROSS IN  
CLIFF IS BROKEN  
DIFFERENT SHUTTLE  
ON LANDING STAGE  
WITH RE-DRESSED  
"TANKS" IN ITS HOLD.  
ALSO HAS RED  
CROSS ON WINGS.



(NOW TIGHT GAS JETS)  
42. BIG G.U. GAS JETS  
BLASTING AWAY  
BECAUSE GAS  
CUT A FEW FRONT  
FRAMES WITHOUT  
GAS ON TO END.  
TO CUT TO



43. "UP AND AWAY"  
- LEFT.



44. PAN WITH MODEL



45. SHUTTLE COMES  
INTO FRAME  
WE ESTABLISH  
SATURN (USE  
MODEL PLANET.  
- AND OUT R.



ORANGE/RED  
(NEED COLOUR OVER)  
46. P. 10. EPISODE: 3.  
IN LARGE 3 TIMES  
INHIBITOL AND  
COPPER/SILVER  
AEROSOL PAINT  
IN FILM CAN  
HEAT - FILL TO  
THE TOP  
ADD COLOUR  
WITH CELL



47. PERSPEX SHAPES  
LIKE PEANUTS  
WITH POPPYSEEDS  
ON THEM - MOVING  
FLOATING.  
MAYBE CAMPHOR  
WOULD HELP.



48. THIS IS AERLA'S  
TISSUE



TELECINE 4. CONT.

49. INSERT LEEA'S P.O.V.  
P.14. EP:4.

"SPECIMENS ON SLIDE NOW HAVE A FISH HOOK SHAPED ANTI-BODY"

50. TELECINE 3.  
EP:4.

USE PORRAGE (GREEN FOOD DYE SWAFFEAGER DRY-ICE. POLYSTYRENE BALLS GAS RING UNDER SET. EGGS GET BIGGET SHOOT 2/3-3 TIMES.

51.

ANOTHER ANGLE - LITTLE SCALE TO HELP EXT. TANK

52.

BIG C.U. EGGS BUBBLING IN MIXTURE - STEAM: FX.

53. TELECINE: 3.  
SC: 32. PAGE: 51.

TITAN SHOWS A ROSE OF FLAME - IT BURSTS INTO A HUGE EXPLOSION  
GAS FLAME  
IGNITED  
FISH TAIL.  
CAPSULATED PETROL  
(FLAME N.C. TO CUT TO 54) - SO USE SHOT 54. ONLY.

54. HUGE EXPLOSION (SET OF 3) IN SUCCESSION  
FIT MORTAR IN PIT - PEAT  
COLON.  
GUNPOWDER  
MAGNESIUM

BRING LIGHT UP ON SKY (WHITE/ORANGE)  
PLASTIC DEBRIS

55. INT. TARDIS SCANNER:  
L/S TITAN  
ZOOM OUT AS IT GLOWS BRIGHTER - SPARKS SHOOTING OUT TOWARDS US (ARC-WELDER)  
(MANY TAKES AT DIFFERENT SPEEDS)

56. SMOKELESS WHITE TITANIUM EXPLOSION  
(NOW NO MORE AS 55 - COVERS THIS)

CUT BACK TO DR + LEEA.

"DR WHO" - INVISIBLE ENEMY. PROJECT NO: 02347/2204

743. 8000 X 3865

VISUAL EFFECTS BBC-TV

IAN SCOONES

57.

LONG SHOT - TARDIS VIEW POINT  
TITAN REMAINS - NOW WITHOUT ATMOSPHERE - LOOKING ALMOST LIKE A "BLACK HOLE" (BACK LIGHT)  
PICK UP ON PULL-OUT - HOLD TILL END OF ZOOM.

58.

EXTRA SHOT FOR BARRY  
LOW ANGLE: TRACK INTO AIR LOCK CORRIDOR FOR C.S.O. CRAFT'S P.O.V.  
SHOT: 19A. EPISODE: ONE.  
GIRDERS - ROCK - LIGHTS.  
SHOOT UP "CINEMASCOPE" WIDE BECAUSE OF CUT OFF IN C.S.O. STUDIO.

59.

SIDE WINDOW OF CRAFT'S P.O.V. TRACK ALONG R-L.  
L. ANGLE:  
LIGHTS IN ROOF.

59.A. SIDE ON TRACK R-L.

60.

SHOT: 9A. EPISODE ONE:  
C.S.O. PILOT'S P.O.V.  
SWIRLING SMOKE HEAD ON IT CLEARS TO STARS BEHIND - ARC LIGHTENING TO BACK LIGHT SMOKE INTERMITTENTLY.  
CAMERA ON BUNGY TO SWING ABOUT.

61.

STATIC SMOKE  
CAMERA ON BUNGY.  
PILOTS: P.O.V. FOR C.S.O.  
SHOT: 9B.  
SMOKE CLEARS.  
LEAVE STARS - STATIC.

61.A. SMOKE R.-L. } CLEARING TO STARS. PILOTS P.O.V.  
61.B. " L.-R. }

62.

63.

FIN

EXTRA TARDIS SHOT IN SMOKE